(19) World Intellemal Property Organization International Bureau





(43) International Publication Date 21 May 2004 (21.05.2004)

PCT

(10) International Publication Number WO 2004/041099 A1

(51) International Patent Classification⁷: B25B 7/16

A61B 17/28.

(21) International Application Number:

PCT/CH2003/000718

(22) International Filing Date:

3 November 2003 (03.11.2003)

(25) Filing Language:

English

(26) Publication Language:

- English

(30) Priority Data:

02405938.8

4 November 2002 (04.11.2002) E

(71) Applicant (for all designated States except US): STRYKER TRAUMA SA [CH/CH]; Bohnackerweg 1, CH-2545 Selzach (CH).

(72) Inventors; and

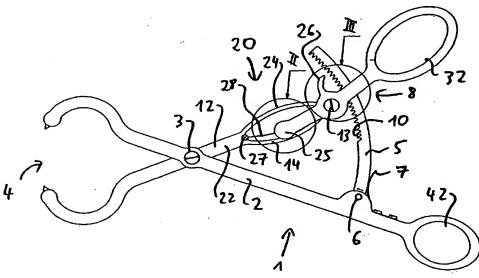
(75) Inventors/Applicants (for US only): KEBEL, Roland [CH/CH]; Bohnackerweg 1, CH-2545 Selzach (CH). RUSCH, Christoph [CH/CH]; Rue Centrale 115,

CH-2503 Biel (CH). BRÖNIMANN, Urs [CH/CH]; Ruc Centrale 115, CH-2503 Biel (CH).

- (74) Agent: LIEBETANZ, Michael; Isler & Pedrazzini AG, Gotthardstrasse 53, Postfach 6940, CH-8023 Zürich (CH).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: ORTHOPAEDIC RATCHETING FORCEPS



(57) Abstract: An orthopaedic ratcheting forceps, especially for fixation of fractures, comprises two handles (2, 12), wherein a first catching element (5) is mounted pivotally with one handle (2 or 12) and wherein a complementary catching element (25) is mounted on the other handle (12 or 2). The forceps can assume only two stable settings which can be switched with a single hand, one closed setting within which the jaws (4) of the forceps can only be further closed and an open setting within which the handles (2, 12) of the forceps are freely movable, so that the forceps can be opened as well as closed. In one handle (12) a leaf spring (28) is provided and biased between two mounting points (27; 13) which spring (28) is mounted between abutting side walls (14, 24) within said handle (12). Furthermore a lever end (25) connected with one of the catching elements (26) engages the spring (28) and through movement of the activation element (32) the lever end (25) and/or the spring (28) is switchable between the closed setting and the open setting.

VO 2004/041099 A1





Declaration under Rule 4.17:

as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report